BR0005

#152 GINZburg, K. TS. "APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 oday, 9eptember 17, 2002 CIA-RDP86-BR0005

GINEBURG, YE. TS.

GUTOP, Vadim Grigor yevich, kandidat tekhnicheskikh nauk; GINZBURG, Ye.TS., inzhener, retsenzent: CHISTYAKOV, S.F., kandidat tekhnicheskian hauk, dotsent, retsenzent, nauchnyy redaktor; GURVICH, B.A., redaktor; PANOVA, L.Ya., tekhnicheskiy redaktor

[Control and measuring techniques in building materials production] Kontrol' no-izmeritel' naia tekhnika v proizvodstve stroitel'nykh materialov. Moskva, Gos. izd-vo lit-ry po stroit. materialam, 1954. (MIRA 8:3) 494 p. [Hierofilm] (Measuring instruments) (Building materials industry)

CIA-RDP86-00513R000 "APPROVED FOR RELEASE: Tuesday, September 17, 2002

ACC NR: AT6036600

UR/0000/66/000/000/0236/0237 SOURCE CODE:

AUTHOR: Euzin, R. A.; Nevskaya, G. F.; Popov, V. I.; Sychkov, M. A.; Shafirkin, A.V. Yurgov, V. V.; Abramova, G. M.; Ginzburg, Ye. V.; Kalandarova, M. P.

ORG: none

TITLE: Experimental investigation of the effectiveness of local radioprotective shielding (Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24-27 May 1966)

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Noscow, 1966, 236-237

TOPIC TAGS: radiation shielding, solar flare, cosmic radiation biologic effect, radiation protection, radiation dosimetry

ABS TRACT:

Many difficulties are encountered in selection of a radiation method suitable for study of the effect of local shielding. The radiation field within the limits of the irradiated object must not vary more than ±10%. The dose differential among absorbed doses must not exceed ±10%. Local shielding must produce at least a tenfold weakening of the dose. Furthermore, dose power must be sufficiently high to model solar flares, con-

Cara 1/3

CIA-RDP86-00513R000

BR0005

ACC NR. AT6036600

sidering the limited stay of the irradiated animal in a fixed position. Experimental calculations of the passage of protons through tissue have shown that high-energy protons scatter very little. For example, the average angle of multiple scattering for 660-Mev protons passing through a lead filter with a thickness of 100 g/cm² is approximately 2°.

Selection of proton energies was made using data on the distribution of absorbed doses created by monoenergetic protons with energies from 100-600 Mev in a water phantom. Since these distributions have a dose differential greater than 10% with shielding thicknesses up to 20 g/cm², it was decided to irradiate the animals from two sides. Maximum equalization of distribution with this method was obtained with 250-Mev protons. The local shield used was made of paraffin. A radiation field was produced at the irradiated object with a difference of ±20%. To obtain more uniform radiation, animals were placed asymmetrically to the axis of the proton beam and each side received half of the dose.

This method was perfected with a heterogeneous bone-parafilin phantom, Measurements made with this phantom showed a radiation field varying only 11% on the animals' surface. Furthermore, the differential of absorbed doses did not exceed 5%. When individual body parts were shielded, the

Card 2/3

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000 CIA-RDP86-00518R0005

ACC	NR.	AT 60	36600
			-

dose decreased 10-15 times behind the shield. Thus the method described satisfies all the requirements listed above, and can be used in radiobiological study of the effectiveness of local shielding. (W. A. No. 22; ATD Report 66-116)

SUB CODE: 06, 18 / SUBM DATE: OOMay66

Cord 3/3

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 • • APPROVED-FOR-RELEASE: Translational Des 17, 2002 : CEA-RDRS BR0005 • 3 •• PRICESSES AND PROFESTION INC. ... 1. 16 7 7.00 ... Tissue emulsions as irritants for the production of dystrophic lesions in dogs. V. S. Gulkin and E. A. (Anghituts. Arch. 101. biol. (U. S. S. R.) 39, 1017-Hin Fuglish (104) (1033). With emulsions of normal broades and of normal muscle injected into the stimps of reserved south nerves the authors obtained the same results as previously reported for brain enulsions (t. 4. 29, 5)(102).

W. A. Perlaweig -00 -.. -00 -.. --... # ***** =00 20 D :00 r 0 =0 9 -00 e : 100 METALLUPGICAL LITERATURE CLASSIFICATION .00 H 28 47 10 15 . .

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R0005

GINZBURG. T.A.

25261 GINZRURG, N. A. Pererezka fozhnykh H rvov Konechhoste, Po Holotkovu Kak Sposob Lecheniya Boley Amputirovannykh. Veprosy Heyrokhirugii, 1949, So.4, S. 32-38

SO: Letopis' 70. 33, 1949

CIA-RDP86-00513R000 CIA-RDP86-00513R0005

DDDOVED FOR DELEMENT Tuesday, September 17, 2002

GINZBURG, Ye.Ya.

Method of general ultraviolet irradiation of children. Ned. sestra, Moskva no.3:17-21 Mar 1952. (GLML 22:1)

1. Cardidate Medical Sciences.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 CIA-RDP86-00513R000 CIA-RDP86-00513R0005 CIA-RDP86-00513R0005

GILYAROVSKAYA, Ye.P.

"Therapeutic gymnastics and massage in rickets and hypotrophy."

B.IA. Ginzburg, R.G. Sorochek, Reviewed by M.P. Giliarovskaia.

(MIRA 8:4)

Tediatrila no.6:91-92 N-D '54.

(PHYSICAL THERAPT) (RICKETS) (GINZBURG, E.IA.)

CIA-RDP86-00513R000

CIA-RDP864

GINZBURG, Yelizaveta Yakovlevna; MESSEL*, David Veniaminovich; NIKULI;, N.G., redaktor; ROMANOVA, Z.A., tekhnicheskiy redaktor.

[Physical therapy and physical prophylaxis of diseases in children] Fizioterapiia i fizioprofilaktika detskikh boleznei.
Moskva, Gos.izd-vo med. lit-ry, 1955. 366 p. [Microfilm](MLRA 8:10)
(CHILDREN--DISFASES) (PHYSICAL THERAPY)

CIA-RDP86-00513R000

BR0005

GOL'DFEL'D, A.Ya., doktor med. nauk; GINZBURG, Ye.Ya.; BULITSLIT,
S.O., prof. [deceased]; IGHATOV, S.I., prof. KHAVETS, E.M.,
doktor med. nauk; LEPSKIY, Ye.M., prof. [deceased];
NEBYTOVA-LUK'YANCHIKOVA, M.N., prof.; SPERANSKIY, G.N.;
TUR, A.F.; DOUBHOVSKAYA, Yu.F., otv. red.; BUBNOVA, M.M., prof.;
red.; VIASOV, V.A., prof., red.; GRECHISHNIKOVA, L.V., red.;
LEBEDEV, D.D., prof., red.; MASLOV, M.S., red.[deceased];
NOGINA, O.P., kand. med.nauk, red.; NOSOV, S.D., prof., red.;
SOKOLOVA-PONOMAREVA, O.D., red.; TERNOVSKIY, S.D., red.
[deceased]; KHOKHOL, Ye.N., red.; ZHUKOVSKIY, M.A., starshiy
nauchnyy sotr., red.; MAZURIN, A.V., kand. med. nauk, red.;

ZAKHAROVA, A.I., tekhn. red.

[Multivolume manual on pediatrics] Mnogotomnoe rukovodstvo po pediatrii. Moskva, Medgiz. Vol.2. 1961. 566 p. (MIRA 15:8)

1. Chlen-korrespondent Akademii nauk SSSR deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Speranskiy). 2. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Tur, Dombrovskaya, Maslov, Sokolova-Foromareva). 3. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Ternovskiy, Khokhol). (PEDIATRICS)

CIA-RDP86-00513R000

CIA-RDP86-20518R0005

GINZBURG, Yu.A.

Rates on electric power in the Polish People's Republic. Promenerg. 18 no.6:45-49 Je 163. (MIRA 16:7)

(Poland-Electric power)

GINZBURG, Yu. B.

"Growth Morphology of Alveolar Branches." Sub 3 Dec 51, Moscow Medical Stomatological Inst.

Dissertations presented for science and engineering degrees in Moscow during 1751.

SO: Sum. No. 480, 9 May 55.

Count med la.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

Side in the day flest enber 17-2000 In . Tab. Yu.B., ayalstent. Structure: modifications of the alwestar born to pertamerical time. Stomatotegate 0.5:31-27 173. (172VA 127 1. z kafodry normal ast statemii tretočnyuonenty s profession w. T toonikev) Most vakog, meditadnikogu stematniogianoses s to (disphit z a finaleteksy).

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 CIA-RDP86-W eptember 17, 2002 E 1 20 182 816

IGNATYUK, V.M.; GINZBURG, Yu.B.

We are waiting for businesslike proposals. hvtom., telen.i sviaz (MIRA 10:7) no.6:42 Je 157.

1. Nachal'nik otdela tekhnicheskogo kontrolya zavoda "Transsignal" (for Ignatyuk).

2. Nachal'nik kontrol'no-izmeritel'noy laboratorii zavoda "Transsignal!" (for Gingburg).

(Railroads--Signaling)

CIA-RDP86-00513R000

CHAKLIN, V.D., prof.; GINZBURG, Yu.B., kand. med. nauk

Myofasciodesis in insufficiency of the gluteal muscles following poliomyelitis. Ortop., travm. i protez. 26 no.1:39-44 Ja '65. (MIPA 18:5)

1. Iz kliniki detskoy ortopedii (zav. - Ye.A. Abal'masova, nauchryy konsul'tant - chlen-korrespondent AMN SSSR prof. V.D. Chaklin) TSentral'nogo instituta travmatologii i ortopedii (dir. - chlen-korrespondent AMN SSSR prof. M.V. Volkov) na baze Moskovskogo ortopedicheskogo gospitalya (nachal'nik - doktor med. nauk S.N. Voskresenskiy). Adres avtotov: Moskva Zh-44, 2-ya Dubrovskaya ul., d.13. Ortopedicheskiy gospital'.

CIA-RDP86-00513R000

IA-RDP06-00518R0005

SHAKOV, I.1., dotsent: GIM. HOEG, Yu. !.

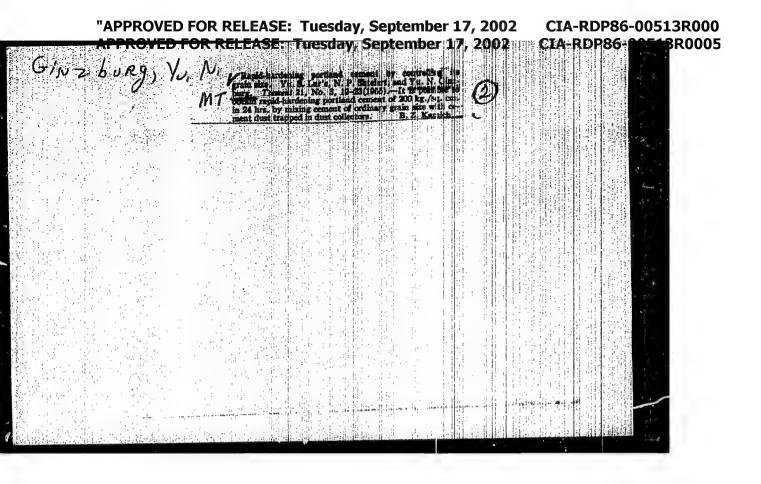
Up-thord-venous reflet. Whatse rent. 1 mid. 38 areas (5-51 My-Je 103. (Mills 17:7)

1. Tz kafedry renogenologic i madiologii (sav. - d.taent o.l. Shakov) se tagashwad ogo sectionia ne vershenstvov napa vrachey i ot renogenovskogi oddolomya Bakinskog gom skoy klinished by bolinishy No.l. imeni N.A. Semanhi.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

APPROVED FOR RELEASE: Tuesday, September 18, 2003

N. P. Sirralax, Alay V. N. Classiona. Transit. 30 13 30-35 (1801)—September 1972 (1904)—September 1972 (1904)—Septemb



CIA-RDP86-00513R000 "APPROVED FOR RELEASE: Tuesday, September 17, 2002 177 September 17, 2002 CIA-RDP86-1 BR0005

SUBJECT:

USSR/Tubular Mills

101-4-12/13

AUTHOR:

Ginzburg, Yu.N., Engineer

TITLE:

About Lining

Tubular Vills (C futerovke trubnykh mel'nits)

PERIODICAL:

Tsement , 1957, # 4, p 31, (USSR)

ABSTRACT:

Efficiency of tubular ball mills depends to a certain extent on how the profile of its lining complies with two basic con-

1. It should correspond with the ginding surface and insure

highest possible density, and

2 the contact between the balls as well as between the balls

-and the lining ought to be as close as possible.

It is necessary to classify the balls in relation to the length of the mill in such a way that the size of grinding surfaces decreases gradually towards the discharge section. [Reported in

Revue des Materiaux de Construction ("C"), 1956,# 481-484

PRESENTED BY:

SUBMITTED:

At the Library of Congress AVAILABLE:

Card 1/1

CIA-RDP86-00513R000

BR0005

GTNZBURG, Yu.N.

Prospects and economic expediency of using sodium tripolyphosphate, addium metasilicate and a peat reagent as slurry thinners in the cement industry. Trudy Giprotsement no.24:145-154 162.

(MIRA 16:4)

(Cement)

VORONOVA, N.A.; <u>GINZBURG</u>, <u>Yu.N.</u>; TOVAROV, V.V.; TKACH, Y.T.; Prinimali uchastiye: OSKALEMKO, G.N.; KOROTATEVA, V.P.; POD YACHEVA, I.B.; NIKANOROVA, N.A.

The problem of raising the quality of cylindrical grinding bodies. Trudy Giprotsement no.24:119-144 '62. (MIRA 16:4) (Milling machinery)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

STATE OF THE PROPERTY OF THE PROPERTY

CIA-RDP86-00513R000

CIA-RDP86-**2051**8R0005

AUTHOR:

GINZBURG, Yu.P.

20-2-2/50

TITLE:

On J-Non-Stretching Operator Functions (O J-nerastyagivayush-chikh operator-funktsiyakh)

PERIODICAL:

Doklady Akademii Nauk 1957, Vol. 117, Nr 2, pp. 171-173 (USSR)

ABSTRACT:

Let L_+ and L_- be mutually orthogonal complementary subspaces of the Hilbert space H. Let the operator J be defined by $J=E_+-E_-$, where E_+ is the projector on L_+ . (f,g) denotes the scalar product in H. Let a nondegenerated indefinite metric be introduced in H with the aid of the "scalar product" [f,g]=(Jf,g). The author considers linear bounded operators in H. The operator U is denoted to be J-unitary, if the inverse operator of U exists in H and if [Uf,Ug]=[f,g] for $f,g\in H$. The operator Y is denoted to be J-non-stretching, if $[Yf,Yf]\leqslant [f,f]$. Y is denoted to be two-sided J-non-stretching, if Y as well as Y^* are J-non-stretching.

Theorem: The tranformation

(1)
$$X = (E_{+} Y - E_{-})(E_{+} - E_{-}Y)^{-1}$$

Card 1/4

generates a one-to-one correspondence between the set of all two-sided J-non-stretching operators Y and a certain subset

PPPAG-AAE4RRAAAS

On J-Non-Stretching Operator Functions

20-2-2/50

of the set of the non-stretching operators X, $||X|| \le 1$.

Theorems Let Y be a two-sided J-non-stretching operator. U is assumed to be J-unitary and R an operator with a non-negative spectrum and with the property that JR is self-adjoint. In order that Y admits the representation Y = UR each of the following conditions is sufficient 1.) It exists Y-1; 2.) Y is of the Fredholm type. Here R is uniquely determined by Y. In the case 1) this holds also for U. The operator-function Y (S) is said to belong to the class \mathcal{I}_1 , if a.) Y(S) is holomorphic in the unit circle (at most except denumerably many points); b.) it exists a S, |S| < 1, so that Y-1(S₀) exists and J-Y*(S₀) JY(S₀) is completely continuous; c.) Y(S) is also J-non-stretching in all points in which the function is holomorphic. The function Y(S) is said to belong to the class \mathcal{F}_3 , if it belongs to \mathcal{F}_3 and if in the unit circle there exists a point S₀ with sp $\{J-Y^*(S_0)JY(S_0)\}$ < ∞ .

Theorem: If Y(S) $\in \mathcal{F}_3$, then Y(S) and Y-1(C) are holomorphic

Card 2/4

On J-Non-Stretching Operator Functions

20-2-2/50

in $|\zeta| < 1$, at most except in a set of isolated points in which $Y(\xi)$ and $Y^{-1}(\zeta)$ possess poles. Here the highest coefficient of the Laurent series in the near of the role is a Theorem: Let $Y(\zeta) \in \mathbb{F}_{J}^{s}$. The infinite products $\mathcal{L}(I)(\zeta) =$

 $= \frac{\infty}{k-1} b_k^{(I)}(5) \text{ and } f^{(II)}(5) = \int_{-1}^{\infty} b_k^{(II)}(5) \text{ formed over the}$

poles of Y^{-1} and Y converge uniformly with respect to the norm whereever Y(5) is holomorphic. Here it is Y(5) = = $Y_o(\xi) \mathcal{L}^{(I)}(\xi) \cdot \mathcal{L}^{(II)}(\xi)$, where $Y_o(\xi)$ is an operator function of the class \mathcal{Z}_J^s holomorphic in $\mathbb{Z}_+^s < 1$ simultaneous-

1y with Y -1(5).

Theorem: It holds the representation
$$Y_{0}(t) = U_{0} \begin{cases} \exp\left\{-\frac{e^{\frac{1}{2}}(t)}{e^{\frac{1}{2}}(t)}\right\} & \text{d } E(t) \end{cases},$$

where U is a J-unitary operator, $\sqrt[3]{t}$ a monotonely decreasing function $(0\leqslant \sqrt[3]{t})\leqslant 2$ n, $J\mathbb{R}(t)$ denotes a hermitian

Card 3/4

On J-Non-Stretching Operator Functions

20-2-2/50

increasing operator function (t = sp JE(t)) and Tis a multiplicative integral. 5 Soviet references are quoted.

ASSOCIATION: State Pedagogical Institute inoni K.D. Ushinskiy, Odessa

(Odesskiy gosudarstvennyy peds rogicheski; institut imeni

K.D. Ushinskogo)

PRESENTED: By S.L. Sobolev, Academician, 31 May, 1997

SUBMITTED: 20 October, 1956

AVAILABLE: Library of Congress

Card 4/4

GINZBURG, Yu. P., Candidate Phys-Math Sci (diss) -- "J-nontensile analytic operator-functions". Khar'kov, 1959. 12 pp (Min Higher Educ Ukr SSR, Khar'kov State U im A. M. Gor'kiy), 150 copies (KL, No 24, 1959, 125)

CIA-RDP86-00513R000

GIMTBURG, Ya.F.

Subspaces of Hilbert space with indefinite metric. Manch. zap. (d. ped. inst. 25 no.2:3-9 '61. (MIRA 18:2)

BR0005

GINZBURG, Yu.P.

Projecting in Hilbert space possessing a bilinear metric. Dokl. aN SSSR 139 no.4:775-778 ag '61. (MIRa 14:7)

1. Odesskiy gosudarstvennyy pedagogicheskiy institut im. K.D. Ushinskogo. Fredstavleno akademikom L.S. Fontryaginym. (Hilbert space) (Distance geometry)

GINZBURG, Yu.P.; IOKHVIDOV, I.S.

Studies on the geometry of infinite-dimensional spaces with bilinear metric. Usp. mat.nauk 17 no.4:3-56 '62. (MIRA 15:8) (Spaces, Generalized)

CIA-RDP86-00513R000

GINZBURG, Yu.P.

The principle of the maximum for J-not xpanding operator functions and some of its consequences. Izv. vys. ucheb. zav.; mat. no.1: 42-53 '63. (MIRA 16:5)

1. Officekiy gosudarstvennyy redegogicheskiy instillut imeni K.D.Debinskogo. (Operators (Mathematic) Ameritans, Analytic)

CIA-RDP86-00513R000

GI MURG, M.P.

fretorization of analytic matrix-unctions. Doll. AN Said 159 no.3=489-492 N *66

Error for the section of To 2003

1. Odesakiy pedagogicheskiy institut im $\mathfrak{m}_{\mathbb{R}}(X,D_n,U_n)$. Rogo. Predstavleno akademikom L.S. Pontryaginy $_{\mathbb{R}^n}$

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

GINZBURG, Yu.S., inzh.

Preparing saws for the T-92 and T-94 multiple sawing rachines. Der. prom. 9 no.7:22-23 J1 160. (MIRA 13:7) (Saws)

CIA-RDP86-00513R000 CIA-RDP86-00518R0005

GINZBURG, Z.

To the fund of the seven-year plan. HTO no.1:39-40 Je 159. (MIRA 12:2)

1. Chlen Khar'kovskogoublastnogo pravleniya nauchno-tekhnicheskogo obshchestva legkoy promyshlennosti. (Kharkov Province--Research, Industrial)

CIA-RDP86-00513R000

GINZBURG, Z., inzh.

Scientific-technological conference on the mechanization of shoe manufacturing. Kozh.-obuv.prom. no.9:40-3 of cover S *59.

(Kharkov--Shoe manufacture--Gongresses)

BR0005

CIA-RDP86-0

ADDROVED FOR DELEASE. Tuesday, September 17, 2002

GINZBURG, Z.

FAIRTE

USSR/Trucks - Parts

Feb 1947

Trucks - Performance

"The Mechanization of Unloading Work," Z. Ginzburg $1\frac{1}{2}$ p

"Avtomobil" Vol XXV, No 2

Fairly detailed description of three mechanized unloading devices for the ZIS-5 autotruck: Hand rack and pinion gear unloaders, inertia rear dump, and specialized platform.

1218

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 CIA-RDP86 CIA-R

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

(a) Crematical and ties of Dir Dura (Noter ' and ' and

avioushit & II, 7, 1911 Person A, 4

CIA-RDP86-00513R000

CIA-RDP86

GINZBURG, Z.

GINEBURG, Z.; DEVYATKIN, P.

Bus service in Leningrad Province. Avt. transp. 32 no.5:9-10 My 154.

1. Leningradskiy oblastnoy avtotrest. (Leningrad Province--Motor bus lines) (Motor bus lines--Leningrad Province)

CIA-RDP86-00513R000 CIA-RDP86-00513R0005

GINZBURG, Zakhariy Semenovich; IVANOVSKIY, I.V., red.; ZHITNIKOVA, O.S., tekhn. red.

[Starting motor-vehicle engines in winter] Pusk avtomobil'nykh dvigatelei zimoi. Moskva, Gouenergoizdat, 1962. 43 p. (MIRA 15:7)

(Motor vehicles-Cold weather operation)

GINZBURG, Z.

Operation of a consolidated automotive transportation unit of the Leningrad Economic Council. Avt.transp. 40 no.11:31-32 N 162. (MIRA 15:12) N 162.

1. Zamestitel' nachal'nika otdela avtomobil'nogo transporta transportnogo upravleniya Leningradskogo soveta marodnogo khozyaystva.

(Leningrad—Transportation, Automotive)

CIA-RDP86-00513R000

GINZBURG, Zinovii Borisovich

Kak nakhodit' i ustraniat' povrezhdeniia v priemnikakh. /How to locate and eliminate disturbances in radio receivers/. Moskva, Gos. energ. izd-vo, 1948. DLC: TK6563.G5 816 p. diagrs.

Samodel'nye detali dlia sel'skogo radiopriemnika. Homemade parts for a rural radio receiver. Moskva, Moskovskii rabochii, 1950. 69 p. illus. Bibliography: p. 2717.

Zvukozapis. Sound recording. (Eksponaty 7-i Vsesoiuznol zaochnoi radiovystavki). Rekomendovano v kachestve posobiia dlia radioklubov. Moskva, Gos. energ. izd-vo. 1949. 47 p. (Massovaia radio-biblioteke, vyp. 48). DLC: Slavic unclass.

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86 BR0005 GINCBURG, Z. USER /Radio Jan 48 Television - Receivers Television - Transmission "Reception of Television Around Moscow," Z. Ginzburg, $\frac{1}{2}$ p "Radio" No 1 Results of tests conducted on two television receivers, one located 29 km from the transmitter, and the other, 32 km from the transmitter. 3/49191

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

GINZBURG, ZinoVII Polisovich, State of St

CIA-RDP86-00513R000

GINZBURG, Zinovii Berisovich

How to locate and eliminate defects in radio receivers Moskva. Gos. energ. izd-vo, 1949. 69 p. (Massovais radiobiblioteks, vyp. 28) (50-55-272)

TK6563.G5

CIA-RDP86-00513R000

CIA-RDP86_00518R0005

GINZBURG, 2. B. and TARASCV, F. I.

A Beginners' Book for the Radio Amateur (Kniga nachinayushchego radiolyubitelya), Gosenergoizdat, 1949, 114 pp.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 APPROVED FOR RELEASE: Tuesday, September 17, 2002
PA 26/49TF7 CIA-RDP86 BR0005 GINEBURG, Z. Details devices to determine moisture of a "Radio Amsteurs in Service to the Peoples of the USSE," Z. Ginzburg, 2 pp UBSE/Badio, Ameteur metal objects in ores, measure thickness of boiler granule, check quality of dyes in fabrics, find particular attention must be given to use of photoelectric tubes in industry, especially in treated surface in a part, scales in steam boilers, determine quality of "Madio" No 1 USSR/Redio, Ameteur (Contd) perature, pressure, stress, speed, etc.). measuring nonelectrical quantities (tem-Photoelectric Calls etc. States that Jan 49 Jan 149

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000
-APPROVED FOR RELEASE: Tuesday, September 17, 2002/6/49@M-RDP86-00513R0005

USSR/Radio - Generators, Signal Aug 49
Directors, Dummey

"A Standard Signal Generator," Z. Ginzburg, 3 pp

"Radio" No 8

GINZBURG, Z.

K. V. Kravchenko, a L'vov radio amateur Was awarded a prize for his universal signal generator at the Righth Radio Exhibition. The generator contains a high-frequency oscillator (50 ke to 27 mc), a quartz calibrator, and audio-frequency oscillator (17 signals from 100 to 9,000 cycles), an PM oscillator, a vacuum-tube voltameter and a modulation monitor, This signal generator is a precision instrument which should prove useful in laboratory work.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000 CIA-RDP8 BR0005

GINZBURG, Z.

3129

V Pomoshch' Radiolyubitelyu-Konstruktoru. Vybor Detaley, Radio, 1949, No 10, c. 60-62

SO: Lebopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

CIA-RDP86-00513R000

BR0005

CIA-RDP86

LOGINOV, V.N.; GINZBURG, Z.B., redaktor; BABOCHKIN. S.N., tekhnicheskiy redaktor.

[Radio remote control] Radioteleupravlenie. Moskva, Gos.energ.
izd-vo 1950. 71 p. (Massovaia radiobiblioteka, no.82)
[Mikrofilm] (MLRA 8:12)
(Remote control)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 CIA-RDP86-00513R000 CIA-RDP86-00513R0005

GINSBURG, Z. B. and TARASOV, F. I.

Homemade Parts for Rural Radio Receivers (Samodel'nyye detali diya sel-skogo radiopriyemnika), Izd Moskovskiy rabochiy, 1950, 72 pp.

CIA-RDP86-00513R000 CIA-RDP86-00518R0005

INDROVED ISR RELEASE: Tuesday, September 17, 2002

BARDAKH, I.M.; GINZBURG, Z.B., redaktor; FRIDKIN, L.M., tekhnicheskiy redaktor.

[Home-made amplifiers for radio reception and rediffusion centers] Samodel'nye usi/iteli dlai radiouslov. Moskva, Gos. energ. isd-vo. 1951. 31 p. (Massovaia radio biblioteka, no. 106) [Microfilm] (MLRA 7:12) (Radio--Receivers and reception) (Amplifiers, Sigetron-tube)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000
APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R0005

ZARVA, V.A.; GINZBURG, Z.B.; LARIONOV, G.Ye., tekhnicheskiy redaktor.

[Magnetic phenomena] Magnitnye iavleniia. Moskva, Gos.energ. izd-vo 1951, lll p. (Nassovaia radiobiblioteka, no.119) [Microfilm] (Electromagnetism) (Ferromagnetism) (NIRA 8:4) "APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 STARD CIA-RDP86 CIA-RDP86

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R0005

PATSIORA, P. P.; GINZBURG. Z. B.

Patsiora, P. P.

Good book on the electrification of lumbering operations ("Electrification of lumbering operations." P. P. Patsiora, Z. B. Ginzburg. Reviewed by Eng. V. A. TSelebrovskiy), Les. prom., 12, No. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, Cctoter 1958,2Uncl

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

GINZPURG, Z. B.

Soprotivleniya i kondensatory v radioskhemakh (Resistance and condensers in radio circuits) Moskva, Gosenergoizdat, 1983. 87 p. diagra., tables. At head of title: Massovaya Radiobibioteka, vyp. 193.

so: N/5 652 .G4

CIA-RDP86-00513R000 CIA-RDP86

OR RELEASE: Tuesday, September 17, 2002

GINZBURĞ, Z.B.

GIMZBURG, Z.B.; KASHIRIN, P.V., redaktor; KUDRYAVTSMVA, L.K., tekhni-"Cheskip redaktor.

[Installation and repair of electrical installations and equipment in lumber camps] Montash i remont elektroustanovok i alektrooborudovaniia na lesoraxrabotkakh. Moskva, Goslesbumisdat, 1953. 310 p.
(Electric engineering) (MIRA 7:8)

CIA-RDP86-00513R000

RRPRG 00518R0005

Market State Committee Com

The Committee on Stelin Prizes (of the Council of Ministers UECH) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stelin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-No. 20 Peb - 3 Apr 1956.

· .

LAVE OF HUES

homewaven by

Patsiera, P. P. Belyayev, -. G. Jingery, a. B. Alektreev, V. A. Almarov, A. Y.

Series of textbooks and subjects manual, on the electrification of timbor felling Roseow Forstry Prolineering Institute

80: W-30604, 7 July 1954

CIA-RDP86-00513R000

CIA-RDP00

GINZBURG, Zinoviy Borisovich; TSWTLIN, A.M., redaktor; WADBAKH, M.P., retsenzent; STERIH, Ye.M., retsenzent; PITERMAN, Ye.L., redaktor;

KOLESNIKOVA, A.P., tekhnicheskiy redaktor;

[Movable electric power stations] Peredvishnye elektrostantsii. Moskva, Goslesbumisdat, 1955. 254 p. (MLRA 9:2)

(Electric power plants)

ED FOR RELEASE: Tuesday, September 17, 2002

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

YBNYUTIN, Vyacheslav Vyacheslavovich; GINZBURG, Z.B., redaktor; YEFREMCVA, Ye.V., redaktor; KARYAKINA, M.S., tekhnicheskiy redaktor

[How to tune superheterodyne recievers] Kak naladit' supergeterodinnyi priemnik. Moskva, Isd-vo DOSAAF, 1956. 60 p. [Microfilm] (Radio---Receivers and reception) (MIRA 10:4)

CIA-RDP86-00513R000

MIKHLIN, Berka Zys'yevich; HERG, A.I., redektor; DZHIGIT, I.S., redaktor; KULIKOVSKIY, A.A., redaktor; SMIRNOV, A.D., redaktor; TARASOV, F.I., redaktor; TRAMM, B.F., redaktor; CHECHIK, P.O., redaktor; SHAMSHUR, V.I., redaktor; GINZBURG, Z.B., redaktor; CHERNOV, V.S., tekhnicheskiy redaktor

61N2 2013 2 12 F.

[Electronic instruments for production control] Radioelektronnye pribory dlia proizvodstvennogo kontrolia. Moskva, Gos. energ. izd-vo, 1956. 62 p. (Massovala radiobiblioteka, no.258)

(Automatic control) (Electronic instruments)

(Production control)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

KUBARKIN, Leontiy Vladimirovich; BERG, A.I., redaktor; DZHIGIT, I.S., redaktor;
KULIKOVSKIY, A.A., redaktor; SMIRNOV, A.D., redaktor; TARASOV, F.I.,
redaktor; TRAMK, B.Y., redaktor; CHECHIK, P.O., redaktor; SHAMSHUR, V.I.
redaktor; GINZBURG, Z.B., redaktor; LaRIONOV, G.Te., tekhnicheskiy redaktor

[Radio circuit primer] Azbuka radioskhem, Moskva, Gos. energ, izd-vo,
1956. 63 p. (Massovaia radiobiblioteka, no.259) (NLRA 10:5)

(Radio circuits)

CIA-RDP86-00513R000

Ginzburg, 2 B

YANUSHKEVICH, Georgiy Petrovich; GINZBURG, Z.B., red.; MEDVEDEV, L.Ya., tekhn.red.

[Portable phonograph with amplifier] Perenosnyi proigryvatel; s usilitelem. Moskva, Gos. energ. izd-vo, 1957, 15 p. (Massovaia radiobiblioteka, no.268) (KIRA 11:7) (Phonograph)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002

CIA-RDP86-00513R000

SINCHURA, Z. B.

SHTEYERT. Lov Alekseyevich; GINESURG, Z.F., redsktor; VORUNI..., K.P., telchnicheskiy redsks reliable to receiver with ultrashortwave bandl Liubitel'skii setevoi priemnik s UKV dispazonom. Miskva, Gos. energ.izd-vo, 1957. 15 p. (Massovais rediobiblioteks, no.270) (Mis. 19:10)

(Redio--Receivers and reception)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

"KOROBOVKIN, Viktor Vladimirovich; NEFEDOV, Anatoliy Mikhaylovich;
GINZBURG, Z.B., red.; CHERNOV, V.S., tekhn.red.

[Amateur all-wave receiver] Vsevolnovyi liubitel'skii radiopriemnik.

Moskva, Gos.energ.izd-vo, 1957. 31 p. (Massovaia radiobiblioteka,
no.280) (Radio--Receivers and reception)

(Radio--Receivers and reception)

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

KORSUNSKIY, Saul Grigor'yevich; SIMONOV, Igor' Dmitriyevich; GIMSBURG, Z.B.,

redaktor; VORONIW, K.P., tekhnicheskiy redaktor.

[Electric nusical instruments] Elektromusykal'nye instrumenty.

Moskva, Gos.energ.izd-vo, 1957. 63 p. (Massovaia radiobiblioteka,
no.271) (MIRA 10:11)

(Musical instruments, Blectric)

CIA-RDP86-00513R000

BR0005

GINZBURG, Zinoviy Borisovich; PATSIORA, Pavel Pavlovich; ALYAB'YNY, V.I., red.; HIKOLAYEVA, I.I., red.isd-va; BRATISHKO, M.V., tekhn.red.

[Using electricity at logging camps] Primenenie elektrichestva na lesozagotovkakh. Isd.2., perer. Moskva, On lesbumizdat, 1959. 316 p.
(NIRA 12:7)

BEL'SKIY, Iosif Romanovich, dotsent, kand.tekhn.nauk; VORONITSYN, K.I., retsenzent; GINZBURG, Z.B., starshiy prepodavatel, retsenzent; ZHESTYANIKOV, V.M., red.; PITERMAN, Ye.L., red.,izd-va; PARAKHINA, N.L., tekhn.red.

[Electrical equipment for lumbering enterprises] Elektrooborudovanie lesozagotovitel'nykh predpriiatii. Moskva, (koslesbumizdat, 1960. 406 p. (MIRA 13:5)

Moskovskiy lesotekhnicheskiy institut (for Ginzburg).
 (Lumbering-Equipment and supplies) (Electric machinery)

CIA-RDP86-00513R000

BR0005

GINZBURG, Zinoviy Borisovich; KUCHARINA, K.I., red.; POPCVA, A.G., red. izd-va; SHIBKOVA, R.Ye., tekhn. red.

[Electric power distribution networks and electric lighting in lumbering] Elektricheskie seti i osveshchenie na lesozagotovkakh. Moskva, Goslesbumizdat, 1962. 202 p. (MIRA 15:12) (Electricity in lumbering)

CIA-RDP86-00513R000

VIL'KE, Georgiy Aleksandrovich, kand. tekhn. nauk, dots.; GTMZBUEG, Z.B., spets. red.; PECHENKIN, I.V., tekhn. red.

[Fundamentals of the theory of autoration (cybernetics); first lecture]Osnovy teorii avtoratizatsii (kibernetika); lektsiin l-ia. Moskva, Izd-vo M-va sel'.khoz.SSSR, 1960. 45 p. (MIRA 15:7)

1. Predsedatel' Obshchestvennogo komiteta po avtoratizatsii lesopromyshlennykh predpriyatiy (for Vil'ke).

(Automation) (Cybernetics)

CIA-RDP86-00513R000

GINZBURG, Z.I.

Outcome of pulmonary tuberculomas. Probl. tuberk. 41 no.2:26-30 163. (MIRA 17:2)

1. Iz terapevticheskogo otdeleniya (rukovoditel' - prof. S.M. Kuznetsova) Leningradskogo nauchmo-issledovatel'skogo instituta tuberkuleza (dir. - prof. A.D. Semenov).

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

GINZBURG, Z.L., inzh.

Interfactory schools for the exchange of progressive practices.

Tekst. prom. 19 no.9:94 S '59. (MIRA 12:12)

(Textile industry)

BR0005

AID P - 5611

Subject

: USSR/Engineering

Card 1/1

Pub. 107-a - 11/12

Author

Ginzburg, Z. L.

Title

Scientific and Technical Conference on Welding in the

Machine-Building Industry.

Periodical

: Svar. proizv., 12, 29-30, D 1956

Abstract

A concise report on proceedings of the conference held on 16 to 19 October, 1956, in Khar'kov, in which some 200 delegates representing scientific and industrial organizations participated. The author outlines 24 reports delivered there on welding and related sub-

jects.

Institutions: Electrowelding Institute im. Paton, Central Scientific

Research Institute of Machine-Building Technology (TSNIITMASh), Scientific Research Institute of Chemical

Machine Building (NIIKhIMMASh), and others.

Submitted |

: No date

CITACATAL, Tel. (20)

CITACATAL AND CITACATAL AND

CIA-RDP86-00513R000

GITTE. RC. 22.

AUPHOR:

Ginzburg, Z.L., Angineer,

128-58-4-15/18

TITLE:

Scientific-Technical Jession on Progressive Pechnology of Casting Molds (Nauchno-tekhnicheskaya sessiya po progressiv-

noy tekhnologii liteynoy formy)

PERIODICAL: Liteynoye Proizvodstvo, 1958, No. 4, pp 28-30 (USSR)

ABSTRACT:

A conference on the technology of casting molds - organized by the NTOMAShFROM of the Khar'kov Oblast' - convened in Khar'kov on 14-16 November 1957. More than 200 delegates from plants, research institutes, vuzes and other organizations of the Khar'kov and other regions participated. Problems of earth-mold casting were discussed. A total of 24 reports were delivered on hardening and exothermic mixes and the mechanized processes in USSR and abroad. B.A. Noskov and V.I. Ryzhkov (KhPI) gave information on molding sand and clay available in the Khar'kov economic region. The following reports were also heard: V.V.Ryabova - on the use of carbon dioxide, at NKMZ, for chemical strengthening of molds, which has reduced the drying period and cut the consumption of generator gas, improved the quality of castings, and nearly

Card 1/5

CIA-RDP86-00513R000

128-58-4-15/18

Scientific-Technical Session on Progressive Technology of Casting Holds

doubled the production of molds; E.Kh. Ivanov - on the use of the same quick-hardening mixes, with cold carbon dioxide, at the Slavyanskiy mashinostroitelinyy zavod (Slavyansk Machinebuilding Plant); Engineer D.A. Lur'ye (Giprostanok) - on modern methods and an installation for production of carbon dioxide; Engineer Ye.F. Tolmachev of the Voroshilovgradskiy teplovozostroitel'nyy zavod (Voroshilovgrad Diesel-Locomotive Plant) on experience with molding sand milled in a special vibration mill, which solves the problem of obtaining castings with a clean surface not only with shell molds, but also with conventional molding methods; A.Ya. Izmalkov - on the oil-less binder "P" used at the plant "Serp i Molot"; A.I. Veynik - on the theory of forced cooling of castings and the experience in this method at the Novo-Kramatorskiy i Minskiy stankostroitel'nyy zavodov (Novo-Kramatorsk and Minsk Machine Tool Plants) which developed this method in the production of large castings; I.V. Ryzhov - on the physico-chemical nature of sand crust (on castings) and the ways of eliminating this crust by producing a de-oxidizing atmosphere between the mold and the metal, casting in vacuum, or crystallization-preventive additions to water glass; P.G. Novikov (of FSNIITMASh) - on

Card 2/5

CIA-RDP86-00513R000 CIA-RDP86-00513R0005

128-58-4-15/18

ocientific-Technical Session on Progressive Technology of Casting Molds

results of the collective work of TsNIITMASh and NKWZ on technological problems of the production of large molds, and the new method of forced or controlled cooling of castings in the ground, as well as on the experiments with a system of universally applicable cast parts; B.K. Dymshin of the Khar:kovskiy turbinnyy zavod (Khar'kov Turbine Plant) and Engineer I.Ye. Gabey (NKMZ) - on exothermic mixes for heating the feeding heads of steel and cast iron castings; M.L. Turovekiy on investigation of internal stresses at the Khar kovskiy zavod transportnogo mashinostroyeniya (Khar'kov Plant of Transport Machines); V.S. Ladnov - on mechanized casting into shell molds by shot-strewing the mold boxes, being introduced at the same transport machine plant; K.I. Kostinenko - on the organization of boxless molding at the plant Rostsel'mash; N.A. Gerasimov of the Aremenchugskiy zavod dorozhnykh mashin (Kremenchug Road Machine Plant) - on casting parts in molds produced under pressure up to 100 kg/cm², without mold boxes, which nearly completely eliminates the necessity of machining the castings and greatly reduces the consumption of foundry materials and metal; A.M. Petrichenko of the Khar'kovskiy

Card 3/5

BR0005

128-58-4-15/18

Scientific-Technical Session on Progressive Technology of Casting Molds

avtodorozhnyy institut (Khar'kov Auto-Road Institute) - cn the experience of the Chinese Democratic depublic with semipermanent molds for thin-wall castings; Ye.A. Sukhodol'skaya of the Khar'kovskiy politekhnicheskiy institut (Khar'kov Polytechnical Institute) - on some peculiarities of foundry technology in China; V.D. Bezuglov of the Khar'kovskiy zavod zubovrachebnykh materialov (Khar'kov Plant of Dentistry Materials) - on self-hardening plastics "AST" which is readily machineable, well suited for decorative correction of surface faults on metal castings, and also for making light core boxes, press-molds for wax patterns, etc. The conference recommended that the Khar'kov Sovnarkhoz organize the exploitation of molding sands and clays in the region and a centralized production of carbon dioxide. The conference pointed out the necessity of extensive use of quick-drying mold mixes, forced cooling of castings, exothermic mixes for heating the feeding heads, and the necessity to introduce the shell-mold and the chill-casting methods. The method of making molds

Card 4/5

129-58-4-15/18

ocientific-Technical Session on Progressive Technology of Casting Molds

under high pressure was recommended for use. The importance of the Khar'kov Dentistry Materials Plant and KhrZ work with self-hardering plastics for foundry use was emphasized.

AVAILABLE:

Library of Congress

Card 5/5

1. Castings-Scientific reports

CIA-RDP86-

AUTHOR: Ginzburg, Z. L.

J- 1/2/1/11 2 7 2.

129-58-5-15/17

TITLE: Scientific-Technical Conference on Metallography and Heat Treatment, Khar kov (Nauchno-tekhnicheskaya konferentsiya po metallovedeniyu i termicheskoy obrobotke,

Khar'kov)

PERIODICAL: Metallovedeniye i Obrabotka Metallov, 1958, Nr 5, pp 53-57 (USSR)

The conference was organised by the Kharikov Directorate of the Scientific-Technical Society of the ABSTRAUT: Engineering Industry jointly with the Sovnarkhos to celebrate the 40th anniversary of the October Revolution. About 200 research workers, engineers and technicians participated. Candidate of Technical Sciences V V.Gavrane's read o paper on the achievements of Soviet science and engineering in the field of metals technology an heat treatment during the forty years of Soviet rule. Doctor of Technical Sciences, Professor F. P. Petrosyan, Khar'kov Institute of Railway Engineers, read the paper "On the Mechanism of Transformation of Super-socied Austenite". He empressed the view that II the transformer

Card 1/20

tions of super-cooled austemite in the temperature range

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

199-58-5-15/17

Scientific-Technical Conference of Metallegraphy and Heat Treatment, Than 'kov

 Λ_1 -M can be considered as processes limbed with preliminary falling out of carbon from the austerite, which is a necessary condition for the subsequent polymorphous $\gamma \longrightarrow \alpha$ transformation to proceed. There is a qualitative relation between the duration of the incubation period and the transformation machinism in the entire temperature range Λ_1 -M.

Candidate of Technical Sciences I. M. Lymbarskiy and Engineer O. M. Podgorna, Khar'kov Works for Building Transport Machinery imeni Malyshev, dealt with the changes in the characteristics of rubbing surfaces. Until recently the problems of wear and friction were not considered from the metallurgical point of view; the first experiments in this respect have shown how fruitful metallurgical investigations of rubbing surfaces can be. During the process of friction important structural and physico-chemical changes take place in the active layer. The nature and the dynamics of the changes during friction of the "white zone" was considered. In this part of the Card 2/20 paper the influence of the white zone on the operational

BR0005

Scientific-Technical Conference on Metallography and Heat.

Treatment, Khar'kov

properties of the components was elucidated. Practical experience has shown that most failures are due to fatigue. A very effective method of increasing the stable strength of components is by surface work hardening.

Candidate of Technical Sciences A. A. Hovik and Engineer V. I. Muzhikov reported on the work of the Khar'kov Works for Building Transport Machinery in the paper "Surface Work Hardening as an Effective Method of Increasing the Fatigue Strength of Highly Stressed Components". The highest sensitivity to failure was observed in components which contain stress concentrators inherent in the lesign. Surface work hardening of such components gives better results and is technologically more suitable than shot peening. Work hardening by means of rolls is suitable for components like gears, shafts, etc. Work hardening of friction discs and of cylinder jackets of diesel engines by shot peening

proved highly effective.

Card 3/20 In his paper Engineer D. B. Boskoboymikov dealt with

199-3 -5-15/17

Scientific-Technical Conference of Metallography and Heat Treatment, Khar'kov

"X-pey involtigation of work herebook parious layere". During the horizontal characteristic lines layer. During the horizontal of the place in the arrive layer by the I. II and III chooses occur which assume high values. In the ironi I I place. Works the otimes was transfer a firm of the layering tel In the surface layer of programming floor of problem and work hardening by rolls. Compounds of specimens were tested which were half of the Steels Uth. 45MaN (cast). 40 KhilT (forged), 45KHILFA (heat treated and in the as-delivered state). The applicate and the character of as-delivered state). The agritude and the character of the distribution of the attracter of the distribution of the attracter of the first and the second type (micro-extense) were leteralized also the dispersion of the crystallites along the depth of the work hardened layer. Type I recibe the compression stresses occur on the outside surf selection to compress ion stresses occur on the outside surf selection to contain value, the type I residual stresses will increase and type stresses at the series of the mask hardened layer increases on increasing the sell pressure. The nicrostresses at the serface meanh \$5.40 kg/am. With increasing distance from the surface, the allower areases drop repidly

RDP86-20513R0005

197-56-5-15/17

Scientific-Technical Conference on Metallegraphy and Heat Treatment, Khar'kov

the corp. The objectives of the original value of the corp. The objectives of the originary law value of obtained by shot people, and work harlening by rolls differ cencilerably.

Candidate of Technical Sai most M. I. Has corporate Engineer Sh. R. Dobraskina reports. In the high attempth alloy steel 15CDYaT (0.1)-0.1% C., 1.1-1.5% Mm. 0.15-0.50% Si, 0.50-0.4% Cm. 0.00-0.10% Ti, 0.04-0.00% Al) which was developed by the Ulmainlan Research Institute; acanguese-obtaining steel act alloyed sish logger for increasing the object to be a feeling from price of a to obtain a high impact slowed at the first purchase of titanium on the properties of steel a jords of the influence of titanium on the properties of steel a jords of the influence of titanium on the properties of steel a jords of the influence of titanium on the properties of steel a jords of the influence of titanium of the presence of titanium is a sould be him of the ball and britished be normalized. The page of the influence of the object which is the formalized of the object of the first of the first of the formalized to Card 5/Obl used in the least of the object of the formalized.

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 CIA-RDP86-00513R0005

120-59-5-15/17

Scientific-Technical Conference on Metallography and Heat Treatment, Kharikov

sheets. A particular advantage of this steel is its high impact strength at 80 to 100 C. It is somewhat chauper than rome steels used for the same purpose. Also, this steel has favourable strength properties, good weldability and toughness, particularly at low temperatures, and also it has little inclination to againg. This steel is at present being further tested to elucidate its behaviour in complex stress states and under vibration loads, Furthermore, the weldacility and the optimum chemical composition are being investigated in great detail. Candidate of Technical Sciences N. V. Volobuyev (KhPI) in his paper "Influence of Niobium on the Properties of Manganese Steel" dealt with investigations on the influence of miobium on the temper brittleness and on the mechanical properties of manganese steel. It was established that 0.20-0.48% No reduces the temper brittleness of manganese steel, which is one of the cheapert alloy steels with high strength properties. If the Nb content exceeds 0.48%, the impact strength of manganess steel smelted by the normal method decreases, since in this case nichius causes the formation of course carbides. Habblum has a still

Card 6/20

CIA-RDP86-00513R000

BR0005

189-54-0-15/17

Scientific-Technical Confo. snee on Metallography and Heat Treatment, Khar'hov

prester influence on the impact strength of manuscus speed, a elted in vacual. For the Himself and of C. O to O.40%, the impact strength to onlead a temperature increased. It was found by misse-structural invents the boundaries of the previous sustant's principlengial which carbides are the tributal. In stable which a latter surben contact there are almost no carbides about the principle contact there are almost no carbides about the principle contact there are almost no carbides about the first fine boundaries and an increased concentration of the reliad colution is absenced. In which will are not principle temper tribtleness etching foundaries. Manuscuss should callificate in higher had boundaries. Manuscuss should a little thick in higher had for at a tribout Mb.

Engineer A. D. Tilbays read the paper "Invention of Cast "Stool 45" with Additions of Bord for Improving the Hardensthitty of Driven Wheele cast Backing Boths of the for for Improving the ferrobored of the boths of all 1 held of Coling or they and for bother leadeds in a cadditional with the for the formal for bother leadeds and all 1 held of Coling or they and for bother leadeds in a cadditional with the formal and for bother leadeds in a cadditional with the formal and the formal a

Card 7/20

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 CIA-RDP86-

19: -5: -1-25/.7

Solumblifity-from the P Confine trace Metallography and Heat Transformt, Thus that

There will be a considered from the constraint of the constraint o

Card 3/20

RR0005

100-97-9-15/17

Scientific-Technical Jouference t. Metallography and Head Treatment, Kharelrov

description were advantaged by the control of Joys. The boren is clearly of above lifeth to be a like the first of the first of the results of spectral rules early and firstly by the control of the born solution of the binder (0.001-1.00%). Whether of companies varied but sen with himsen (0.001-1.00%), whether of emerimental compensate of the control of emerimental compensate of the control of emerimental compensate of the control of the organization of the control of the conditions of the control of the conditions of the conditions of the control of the conditions of the conformation of the conditions of the conformation of the condition of the c

Card 9/20

Scientific-Technical Conference on Metallography and Heat Treatment, Khar'kov

means of a magnetostriction vibrator. The investic tions were carried out on IKh13 steel, brane and copper. A verelear conception on the process of cavitation fullure is provided by the kinetic curves which characterize the learn weight as a function of the test duration. The existence of four periods was established for the cavitation erosion, namely, the incubation period, the period of intensive uniform failure and the period of the damped disruption. He proposes evaluation of the erosion stability of metals on the basis of the third period during which the speed of disruption is constant and depends on the structure and the properties of the material. Cast steels (chromium, stainless and copper containing turbines have an erosion stability about 10 to 20% lower than that of the rolled stainless steel IKh13. The stainless austenitic steels IKh13. The the pearlitic steel ET10 have an erosion stability which treatment of the surface of steel improves the erosion stability. Thus, nitriding of the cheaf limit is proved the crosion stability fivefold, whilst aliticing of

Card 10/20 "APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000

Scientific-Technical Conference c. Metallegraphy and Heat Treatment, Khar'kov

Steel 20 increases the erosioe stability fourfelt.
Investigation of eluminium browns of various challed compositions in various states has shown that aluminium browness of compositions approaching all embastedial one have a high erosion stability. Browness composition approaching all embastedial one have an erosion stability seven times as high an wait of Steel IKhl3. Hardening of aluminium browness of their erosion stability. Hardened browne containing 10 to 13% aluminium brings about a charal increase of their erosion stability. Hardened browne containing 10% aluminium has a crosion stability about four lives in high and one containing 10, % aluminium for a containing 10, % aluminium browness containing 10 to 10% Al deposited by welding (as facings) on Steel 30 GSL has a procion stability which is several times as high as that of steel IMALS. The prain size and the dispersion of the structure distinguished erosion stability of the illoys. Cavity sign procion has a selective character an affects attack to the structure of the material, which can blearly be seen at testing, each alloys. At the initial of the procion atching

Card 11/20

Soil Milio-Pack ford Wolff and Metall agraphy and Hend

erosion reveals the grain in class. It is structure.
Only for alloys of a ris lo type of it is structure.
The proper "On the Mechanic of Savitation Provide of
Metals" Engineer D. I. Beliebasti (Mill) a parted on
Ketals" Engineer D. I. Beliebasti (Mill) a parted on
cavitation erosion of metals and include of the
investigations of car is denoted by the interior of the
investigations decreased by about 500 to be becomes
of 5.10-4 at the initial of the decomes of 5.10-4 at the initial of the obtained for the obtained of the obtained for the decomes of the basis of the obtained results ("carpit"). It is assumed on
the basis of the obtained results ("carpit"). It is assumed on
under conditions of cavitation presents and the basis of the obtained results ("carpit"). It is assumed on
the basis of the obtained results ("carpit"). It is assumed on
the basis of the obtained results ("carpit"). It is assumed on
the basis of the obtained results ("carpit"). It is assumed on
the basis of the obtained results ("carpit"). It is assumed to
actual the obtained below the foreign of the filling are
after 65 sees of cavitation affects of and a cost of the
crystel opening becames polygonerally to depth of

Card 12/20

Scientific-Pachaical Confurence on Metallegraphy and Heat

about 0.15 mm with a grain six of 10° on. It was also established that evidence leading of another state of the crystal letter. The object that the crystal letter. The object that the crystal letter. The object that the capture of the confirm the existence of impost brittle fracture of the notal during brittle fracture of the notal unless conditions of covitation brittle fracture of the proparation of character of covitation that erosion is due to the proparation of character of covitation the check offect of the covitation builder. She tro-court captured of the curfect of the brittle of the captured the large of the captured fraction such little of the brittle of the brittle of the captured of the captured of the captured of the classic of the steel derivation of the character of the fillipping elements between the first of the capture of the fillipping the character of the little of the capture of the little of the little of the capture of the little of the little of the little of the capture of the little of t

Card 13/20

129-58-5-15/17

Scientific-Technical Conference on Metallography and Heat Treatment, Khar'kov

by means of radio-active isotopes. By deans of autoradiography it was established that there is a redistribution of carbon during the intermediate transformations in the case hardened layer of the Steel 18KhNVA. Using radio-active tracers, he studied the redistribution of chronium between the carbides and the solid solution. The obtained experimental data can be utilised in the selection of the optimum heat treatment regime of steel.

Engineer V. Ya. Litvinenko (imeni Kirov Turbine Works) reported on the thermonagnetic analysis of austenitic steels. As a result of graduation of the thermonagnetic apparatus on the basis of the data obtained from investigating the phase composition, a relation was obtained between the indications of the instrument and the iron concentration in standards and also on the magnetic susceptibility of the specimens. This enabled quantitative analysis of the content of the formonagnetic phases in austenitic steels. By means of thermonagnetic analysis the presence was established of four ferromagnetic

analysis the presence was established of four ferromagnetic Card 14/20 phases in the Steel lKhl8N9T, each of which have differing

Scientific-Technical Conforence on Metallography and Heat Treatment, Khar'kov

Curie points. Engineer L. N. Udovenko (Works for Building Grunsport Machinery) dealt with physical methods of control, describing certain results of introduction of sagnetoelectric instruments for controlling the quality of leat treatment/ practical introduction of radio peophic methods of searching for defects of large size castings and of weld joints, Candidate of Technical Sciences A. K. Beckrowni, (K.FT) reported on new data relating to the innoculation of metals. The higher the intercontact difference of the potentials between the solid and the liquid phase the more disperse will be the obtained structure. If the inoculating agent forms with the metal of third solid solution, its action will be the more intensive the lower its intercentact potential. This assumption was verified on inoculated zinc, tin, aluminium and other mouris. Engineer E. I. Movshovich (KhTZ) in his paper "Obtaining High Mechanical Characteristics of Plunger Pairs Made of Card 15/20 the Steel KhVG in the Case of a Shortened Heat Treatment

197-68-8-95/17

Scientific-Technical Conference of Metallography and Heat Treatment, Klar'kov

Cycle" dealt with the changer in the properties of this steel as a function of the leaf treatment regime. On the basic of the results an experimental batch of plungers and bushings were heat treatmental batch of plungers and bushings were heat treatment from 320°C in oil to 150°C, cold treatment for one hour, tempering in oil at 150°C for four hours. The proposed heat treatment cycle is half as long as the heat treatment according to existing practice. After heat treatment the components had high mechanical properties (R_C = 62 to 63) and a stability of the dimensions. Engineer L. P. Ivenova (MPPI) in her paper "On the Brittleness of Steel During Bright Hardening and Bright Tempering in Molten Alkalies" stated that irreversible and reversible brittleness occurs as a result of best tree ment in melten alkalies at temperatures exceeding 400°C. The irreversible brittleness is due to the saturation of the steel with nitrogen as a result of decondation of the steel with nitrogen as a result of decondation of the potessium ferroganide in the alkali bath. The reversible brittleness is caused by the hydrogen caluration of the steel resulting from the interaction of the alkali with the 1ron.

Card 16/20

Scientific-Technical Conference on Metall graphy and Heat Treatment, Khar'kov

Investigations were corried out on polecting a decoriding agent to substitute the polacium ferroeganide, the presence of which in the hardoning back belogs about saturation of the curface with nitrogen. Enclusion of the nitrogen enabled revealing the influence of hydrogen on the properties of the steels during best treatment in molten alkalies. Calcium carbide and charge as the deciding agent.

Engineer I. S. Svet (MMCZ), decling what the use of high frequency heating for heat treatment of components, in hardening of cast iron components, problems of specifing up the heat treatment, full automation, mechanisation and large scale hardening of components. In his Works you beganish of components with small depths of the life dates layers (0.15-0.3 nm) is being used. On priores obtained by the introduction of you cyaniding the dealt with he Engineer Mo. L. Orlazarove "Gas of alliances absolute has effected on components able of the Stocke ID, 20MC, 10MMCT and 13KhNVA. Prior to that, liquid constitution was

Card 17/20

121-58-5-15/17

Scientific-Technical Conference on Metallography and Heat Treatment, Khar'kov

used. The operation of the gas epanishing Jurnace is considerably more convenient than what of the liquid cementation bath. Also, gas cyaniding has a higher productivity and is more economical. The surface layer produced by gas cyaniding has a higher wear recipioned and has better anti-corrorion properties than that obtained by liquid cementation. A. V. Saltharova (Ball Bearing Works) reported on a new method of gas cyaniding of tools made of the high speed steels R18 and R9. The presence of a liquid carburiser, which evaporates at 520 to 560°C and, in decomposing, forms gases from which, during dissociation, active nitrogen and carbon separate out, simplifies considerably the process of as cyaniding of tools. As such a carburiser an organic substance of the animoalcohol type was tested. The data of the experimental work and of the Works' tests confirmed the possibility of obtaining a cyanided layer in current type equipment for gas case hardening in the case of feeding of the liquid carburiser from a drop dispenser into the report of the furnace.

Card 18/20

"APPROVED FOR RELEASE: Tuesday, September 17, 2002 CIA-RDP86-00513R000 APPROVED FOR RELEASE. Tuesday, September 17

100-59-5-15/17

Scientific-Technical Conference on Metallography and Heat Treatment, Khar'kov

> The quality of the obtained hardened surface layer satisfies the requirements to be met to the sparided layer as regards depth, micro-structure and hiere-hardness. Candidate of Technical Sciences V. A. Ul'yanov (Khar'hov Motor Road Institute) reported on emericantal results and prospects of industrial application of Cr-Ti alloys for cast components operating under conditions of abrasive wear. Resolutions of the conference contained recommendations relating to more extensive use of high frequency heating of steel for heat treatment: introduction into practice of steel for heat treatment: introduction into practice of two-frequency hardening of gears; case hardening with direct (immediate) hardening according to the emperience of ZIL: high temperature tempering and also extensive introduction of high temperature gas cyaniding of components (KhTZ emperience) and low to perature gas cyaniding of tools (GPZ emperience). Furthernore, bright hardening and bright tempering of stable in alkali baths in accordance with the results obtained by the Metals Technology Chair of KhWI should be intensively used

Technology Chair of KhPI should be unbandarely used

Card 19/20